



Cyclone Underflow Pipeline & Grindmesh Alterations

HOPE DOWNS 4, WESTERN AUSTRALIA

PROJECT OVERVIEW

CLIENT: Rio Tinto Iron Ore
COMPLETION DATE: July 2014
ENVIRONMENT: Brownfield

G&S were awarded by Rio Tinto Hope Downs 4 a lump sum contract to install new ceramic lined cast pipe elbows to the cyclone underflow units to replace existing poly elbows that were constantly failing. Scope included relocation of valves and associated electric works.

Scope of works:

- Installation of 16 replacement ceramic process piping elbows (250NB).
- Poly welding flange stubs onto existing HDPE piping to suit bolting to new ceramic elbows.
- Modification of pipe supports and grid mesh openings to suit new piping arrangement.

G&S undertook Modification of existing infrastructure to fit larger elbows and ensure ease of future maintenance/repair.



**SAFETY IS OUR FIRST
CONSIDERATION**